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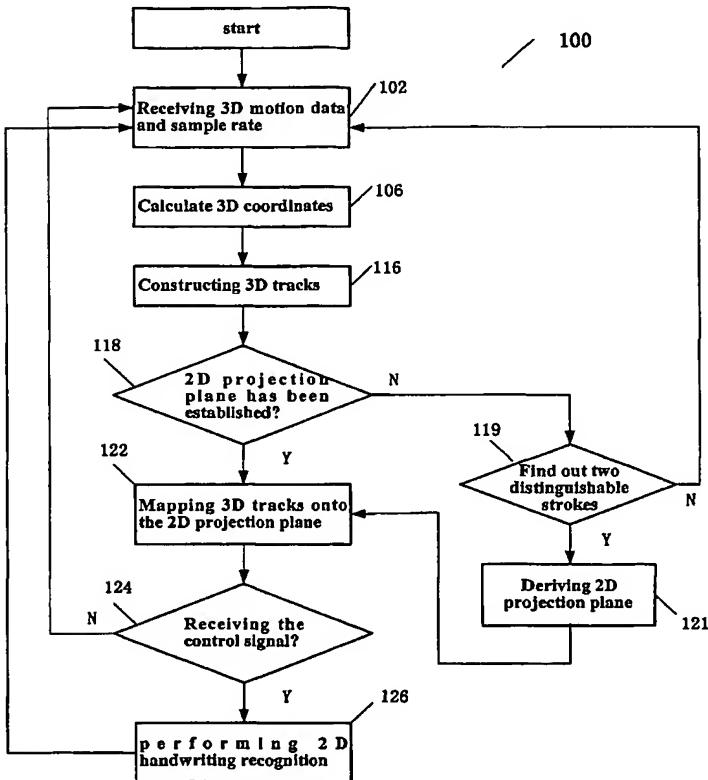
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(54) Title: **METHOD AND SYSTEM FOR THREE-DIMENTIONAL HANDWRITING RECOGNITION**



(57) **Abstract:** The present invention relates to three-dimensional (3D) handwriting recognition methods and systems. The present invention provides a 3D handwriting recognition method and corresponding system which allows to generate 3D motion data by tracking corresponding 3D motion, calculate corresponding 3D coordinates, construct corresponding 3D tracks, derive 2D projection plane based on some strokes 3D tracks of on character, and generate 2D image for handwriting recognition by mapping the 3D tracks onto the said 2D projection plane. The 3D handwriting recognition method according to the present invention can use the processing power of system more efficiently and highly improve the system performance. So that the system can get the final input result in a much shorter time after the user finishes writing a character without a long time waiting between two characters input, thus the user has more pleased and natural input experience.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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